

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
April 2000

Gray Davis
Governor
State of California

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State of California
Resources Agency

**Department of Water Resources
Division of Operations and Maintenance**

State Water Project

Operations Data

for the Month of April 2000

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of April 2000.

April precipitation was near average except in the southeastern corner of California. As a result, water conditions remained near average. Snowmelt during April was greater than normal, continuing the early melt which started in March. The runoff outlook was still near average overall. This combined with favorable reservoir storage presaged an adequate water supply for most Californians, apart from some export contractors south of the Delta.

Forecasts of April through July runoff were about 100 percent of average statewide and ranged from 125 percent in the North Coast region to 90 percent in the Tulare Lake region and 85 percent in the North Lahontan region. Water year forecasts were also about 105 percent of average overall with the same north to south distribution in the southern Sierra.

Snowpack water content was 75 percent of average statewide for April 30. Last year the April 30 snowpack was 120 percent of average. Snowmelt during April was greater than normal.

Precipitation during April was average statewide. Seasonal precipitation since October 1 was nearly average overall with above average amounts in the northern parts of the State and somewhat less in the south. 1999 seasonal precipitation stood at 100 percent of average at the same time.

Runoff to date was about average. April runoff was approximately 100 percent of normal for the month. Estimated runoff of the 8 major rivers of the Sacramento and San Joaquin River regions for April was 3.51 MAF.

Reservoir storage gains during April were about normal as flood control requirements at major Central Valley foothill reservoirs were eased. On April 30, total storage in major SWP reservoirs was about 4.7 MAF, compared with 4.9 MAF at this time in 1999. The average storage in the major SWP reservoirs at the end of April is about 4.4 MAF. The April 30 storage at Lake Oroville was about 3.1 MAF as compared to about 3.2 MAF last year. The State's share of San Luis Reservoir storage was about 969,343 AF, as compared with 1.01 MAF at this time last year. On April 30, the combined storage in our southern reservoirs was about 659,418 AF, compared with 656,000 AF at this time last year.

SWP water deliveries for 2000 through April were about 909,400 AF. This is a combination of project, transfer, and exchange waters. This is about 423,100 AF more than that delivered during the same period in 1999.

Delta exports were curtailed on April 15, 2000 for the Vernalis Adaptive Management Program. Combined SWP/CVP exports were limited to 2,250 cfs. The SWP voluntarily participated in the export reduction with the expectation that SWP water supply impacts will be made up by federal agencies.

Sacramento, Feather, and American river releases were increased in the latter half of April to meet the Delta X2 water quality standard of minimum 29,200 cfs three day running average Delta outflow for 15 days. It was decided to time the river releases to coincide with the planned VAMP export reduction for the second half of April to maximize the use of Delta outflow. Preliminary data showed the standard would be in effect for 13 days in May.

Significant snow pack sublimation, coupled with additional releases to meet the X2 standard and higher than expected delivery of Interruptible Water resulted in a reduction in the ability of the SWP to deliver 100 percent of the requested allocation. On April 20, water delivery allocations were reduced from 100 percent to 90 percent, which equates to a reduction from 3.62 MAF to 3.41 MAF.

Table 1. Antelope Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 22,566 ac-ft

April 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Mar 31	4999.49	20,295								
1	4999.72	20,497	202	20	0	0	0			
2	4999.97	20,718	221	20	0	0	0			
3	5000.31	21,028	310	20	0	0	0			
4	5000.75	21,422	394	20	0	0	0			
5	5001.15	21,783	361	20	0	0	0			
6	5001.52	22,121	338	20	0	0	0			
7	5001.88	22,453	332	20	0	0	0			
8	5002.23	22,778	325	20	0	0	8			
9	5002.48	23,012	234	20	0	0	26			
10	5002.67	23,191	179	20	0	0	55			
11	5002.79	23,305	114	20	0	0	83			
12	5002.87	23,380	75	20	0	0	102			
13	5003.04	23,542	162	20	0	0	127			
14	5003.01	23,513	-29	20	0	0	142			
15	5002.93	23,437	-76	20	0	0	131			
16	5002.87	23,380	-57	20	0	0	117			
17	5003.00	23,504	124	20	0	0	122			
18	5002.96	23,466	-38	20	0	0	134			
19	5002.91	23,418	-48	20	0	0	123			
20	5002.92	23,428	10	20	0	0	119			
21	5002.93	23,437	9	20	0	0	121			
22	5002.96	23,466	29	20	0	0	125			
23	5002.96	23,466	0	20	0	0	129			
24	5002.93	23,437	-29	20	0	0	125			
25	5002.93	23,437	0	20	0	0	123			
26	5002.95	23,456	19	20	0	0	124			
27	5002.99	23,494	38	20	0	0	131			
28	5002.95	23,456	-38	20	0	0	131			
29	5002.90	23,409	-47	20	0	0	121			
30	5002.90	23,409	0	20	0	0	116			
Total cfs-days				---	600	0	0	2,535	94	
Total ac-ft				3,114	1,190	0	0	5,028	187	
								3,229	4,799	
								6,405	9,519	

1/ Values not available on a daily basis.

Table 2. Frenchman Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

April 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs							Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/	Total Outflow 1/			
				Stream-flow Maint.	Water Supply Contract	Water Right						
Mar 31	5584.44	50,031										
1	5584.48	50,091	60	2	0	0	0	0	0			
2	5584.57	50,224	133	2	0	0	0	0	0			
3	5584.74	50,477	253	2	0	0	0	0	0			
4	5584.88	50,685	208	2	0	0	0	0	0			
5	5585.06	50,954	269	2	0	0	0	0	0			
6	5585.19	51,149	195	2	0	0	0	0	0			
7	5585.25	51,239	90	2	0	0	0	0	0			
8	5585.37	51,419	180	2	0	0	0	0	0			
9	5585.49	51,600	181	2	0	0	0	0	0			
10	5585.57	51,721	121	2	0	0	0	0	0			
11	5585.79	52,054	333	2	0	0	0	0	0			
12	5585.80	52,069	15	2	0	0	0	0	0			
13	5586.01	52,388	319	2	0	0	0	0	0			
14	5586.18	52,648	260	2	0	0	0	0	0			
15	5586.25	52,755	107	2	0	0	0	0	0			
16	5586.34	52,893	138	2	0	0	0	0	0			
17	5586.53	53,184	291	2	0	0	0	0	0			
18	5586.60	53,292	108	2	0	0	0	0	0			
19	5586.69	53,431	139	2	0	0	0	0	0			
20	5586.75	53,524	93	2	0	0	0	0	0			
21	5586.84	53,663	139	2	0	0	0	0	0			
22	5586.93	53,802	139	2	0	0	0	0	0			
23	5587.00	53,911	109	2	0	0	0	0	0			
24	5587.12	54,097	186	2	0	0	0	0	0			
25	5587.25	54,299	202	1	5	0	0	0	0			
26	5587.22	54,253	-46	0	15	0	0	0	0			
27	5587.29	54,362	109	0	16	0	0	0	0			
28	5587.33	54,424	62	0	20	0	0	0	0			
29	5587.34	54,440	16	0	20	0	0	0	0			
30	5587.46	54,627	187	0	20	0	0	0	0			
Total cfs-days				---	49	96	0	0	254	399	2,716	
Total ac-ft				4,596	98	190	0	0	504	792	5,388	

1/ Values not available on a daily basis.

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

April 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Mar 31	5770.02	65,593								
1	5770.11	65,910	317	26	0	0	0			
2	5770.21	66,263	353	26	0	0	0			
3	5770.26	66,440	177	26	0	0	0			
4	5770.37	66,830	390	26	0	0	0			
5	5770.45	67,115	285	26	0	0	0			
6	5770.52	67,364	249	26	0	0	0			
7	5770.59	67,614	250	26	0	0	0			
8	5770.64	67,793	179	26	0	0	0			
9	5770.67	67,901	108	26	0	0	0			
10	5770.75	68,188	287	26	0	0	0			
11	5770.83	68,475	287	21	0	0	0			
12	5770.88	68,656	181	16	0	0	0			
13	5771.04	69,234	578	16	0	0	0			
14	5771.10	69,451	217	16	0	0	0			
15	5771.14	69,596	145	16	0	0	0			
16	5771.18	69,742	146	16	0	0	0			
17	5771.33	70,288	546	16	0	0	0			
18	5771.38	70,471	183	16	0	0	0			
19	5771.43	70,654	183	16	0	0	0			
20	5771.49	70,874	220	16	0	0	0			
21	5771.54	71,058	184	16	0	0	0			
22	5771.55	71,094	36	16	0	0	0			
23	5771.56	71,131	37	16	0	0	0			
24	5771.59	71,241	110	16	0	0	0			
25	5771.61	71,315	74	16	0	0	0			
26	5771.66	71,499	184	16	0	0	0			
27	5771.67	71,536	37	16	0	0	0			
28	5771.65	71,462	-74	16	0	0	0			
29	5771.66	71,499	37	16	0	0	0			
30	5771.68	71,573	74	16	0	0	0			
Total cfs-days				---	585	0	0	603	1,188	4,203
Total ac-ft				5,980	1,160	0	0	1,196	2,356	8,336

1/ Values not available on a daily basis.

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

April 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow					Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal	Evaporation 2/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 3/
Mar 31	852.25	2,838,641								
1	853.34	2,853,399	14,758	89	6	249	0	344	0	15,102
2	854.47	2,868,754	15,355	80	6	257	0	343	924	14,774
3	854.89	2,874,477	5,723	11,403	8	240	0	11,651	302	17,072
4	855.79	2,886,766	12,289	6,266	9	189	0	6,464	787	17,966
5	856.74	2,899,778	13,012	6,412	9	153	0	6,574	573	19,013
6	857.61	2,911,731	11,953	7,019	9	176	0	7,204	573	18,584
7	858.57	2,924,960	13,229	4,530	9	183	0	4,722	742	17,209
8	859.78	2,941,695	16,735	1,383	9	162	0	1,554	985	17,304
9	861.10	2,960,028	18,333	0	9	184	0	193	1,062	17,464
10	861.48	2,965,320	5,292	10,923	9	171	0	11,103	0	16,395
11	861.55	2,966,296	976	13,323	10	223	0	13,556	0	14,532
12	861.46	2,965,041	-1,255	18,327	10	186	0	18,523	0	17,268
13	861.94	2,971,736	6,695	17,360	10	112	0	17,482	0	24,177
14	862.50	2,979,559	7,823	15,933	10	126	0	16,069	0	23,892
15	863.44	2,992,724	13,165	6,900	10	112	0	7,022	0	20,187
16	864.63	3,009,449	16,725	2,780	10	67	0	2,857	0	19,582
17	865.28	3,018,613	9,164	17,206	10	68	0	17,284	0	26,448
18	865.69	3,024,403	5,790	17,855	10	60	0	17,925	0	23,715
19	866.12	3,030,484	6,081	14,744	10	98	0	14,852	0	20,933
20	866.68	3,038,416	7,932	10,976	10	128	0	11,114	0	19,046
21	867.25	3,046,505	8,089	9,351	10	174	0	9,535	0	17,624
22	868.23	3,060,448	13,943	4,102	10	182	0	4,294	0	18,237
23	869.28	3,075,438	14,990	2,773	10	122	0	2,905	0	17,895
24	869.31	3,075,867	429	15,012	10	206	0	15,228	0	15,657
25	869.58	3,079,730	3,863	12,804	10	191	0	13,005	0	16,868
26	869.73	3,081,877	2,147	13,677	10	229	0	13,916	0	16,063
27	869.96	3,085,172	3,295	11,889	10	206	0	12,105	0	15,400
28	870.73	3,096,222	11,050	5,893	10	221	0	6,124	0	17,174
29	871.23	3,103,412	7,190	6,854	10	214	0	7,078	0	14,268
30	871.52	3,107,588	4,176	8,930	10	191	0	9,131	0	13,307
Total		268,947	274,794	283	5,080	0	280,157	5,948	543,156	

1/ Includes bypass flows

2/ Evaporation will be zero for days when there is precipitation or heavy overcast.

3/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

April 2000

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Mar 31	24,221										
1	23,414	-807	89	510	0	89	3	6	1,162	0	-146
2	23,325	-89	80	486	1,620	80	3	6	1,124	924	-138
3	23,694	369	11,403	498	553	10,734	3	6	1,126	302	86
4	22,179	-1,515	6,266	514	1,089	7,405	4	6	1,132	787	-50
5	23,120	941	6,412	504	2,822	7,110	4	6	1,132	573	28
6	23,002	-118	7,019	500	1,349	7,342	4	6	1,134	573	73
7	22,898	-104	4,530	504	1,126	4,353	4	6	1,134	742	-25
8	22,775	-123	1,383	508	1,420	1,200	4	6	1,138	985	-101
9	22,508	-267	0	508	1,655	0	4	6	1,140	1,062	-218
10	23,571	1,063	10,923	506	0	9,596	4	6	1,134	0	374
11	23,399	-172	13,323	504	0	13,024	4	6	1,134	0	169
12	23,730	331	18,327	506	0	17,480	4	6	1,132	0	120
13	22,313	-1,417	17,360	504	0	18,379	4	6	1,142	0	250
14	22,545	232	15,933	504	0	15,285	4	6	1,140	0	230
15	23,940	1,395	6,900	512	0	4,871	4	6	1,144	0	8
16	23,544	-396	2,780	504	0	2,518	4	6	1,144	0	-8
17	23,401	-143	17,206	504	0	17,001	4	6	1,148	0	306
18	23,495	94	17,855	502	0	17,151	4	6	1,144	0	42
19	23,311	-184	14,744	504	0	14,519	4	6	1,117	0	214
20	22,881	-430	10,976	504	0	10,932	4	6	1,099	0	131
21	23,262	381	9,351	502	0	8,399	4	6	1,099	0	36
22	23,851	589	4,102	510	0	2,881	4	6	1,107	0	-25
23	23,449	-402	2,773	506	0	2,469	4	6	1,105	0	-97
24	23,448	-1	15,012	500	0	14,485	4	6	1,103	0	85
25	22,903	-545	12,804	502	0	12,775	4	6	1,107	0	41
26	23,218	315	13,677	506	0	12,861	4	6	1,128	0	131
27	23,201	-17	11,889	506	0	11,389	4	6	1,134	0	121
28	23,809	608	5,893	504	0	4,694	4	7	1,136	0	52
29	23,582	-227	6,854	506	0	6,402	4	7	1,136	0	-38
30	23,441	-141	8,930	502	0	8,466	4	7	1,132	0	36
Total		-780	274,794	15,130	11,634	263,890	117	183	33,887	5,948	1,687

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, spill, and spillway leakage.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

April 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Mar 31	133.73	45,658										
1	132.81	42,123	-3,535	89	0	0	0	0	3,749	0	125	4,911
2	131.49	37,282	-4,841	80	0	0	0	0	3,749	1,620	448	4,873
3	133.23	43,720	6,438	10,734	0	0	0	0	3,769	553	26	4,895
4	133.89	46,286	2,566	7,405	0	0	0	0	3,749	1,089	-1	4,881
5	134.01	46,760	474	7,110	0	0	0	0	3,749	2,822	-65	4,881
6	134.56	48,952	2,192	7,342	0	0	0	0	3,769	1,349	-32	4,903
7	134.12	47,195	-1,757	4,353	444	0	0	0	4,780	1,126	240	5,914
8	132.54	41,110	-6,085	1,200	393	0	0	0	5,752	1,420	280	6,890
9	129.95	31,985	-9,125	0	434	0	0	0	7,240	1,655	204	8,380
10	129.52	30,575	-1,410	9,596	601	0	0	124	9,283	0	-998	10,417
11	129.62	30,900	325	13,024	723	0	0	163	11,683	0	-130	12,817
12	130.95	35,382	4,482	17,480	891	0	0	89	11,762	0	-256	12,894
13	132.39	40,553	5,171	18,379	994	0	34	153	11,762	0	-265	12,904
14	132.98	42,766	2,213	15,285	1,022	0	76	228	11,762	0	16	12,902
15	130.70	34,517	-8,249	4,871	908	0	149	305	11,762	0	4	12,906
16	127.39	24,034	-10,483	2,518	855	0	240	365	11,762	0	221	12,906
17	128.87	28,500	4,466	17,001	776	0	214	327	11,246	0	28	12,394
18	130.90	35,208	6,708	17,151	668	0	139	258	9,243	0	-135	10,387
19	132.43	40,701	5,493	14,519	684	0	99	234	7,775	0	-234	8,892
20	133.05	43,032	2,331	10,932	702	0	73	234	7,755	0	163	8,854
21	133.00	42,842	-190	8,399	627	0	60	234	7,755	0	87	8,854
22	131.41	36,998	-5,844	2,881	708	0	58	268	7,755	0	64	8,862
23	129.52	30,575	-6,423	2,469	752	0	65	290	7,736	0	-49	8,841
24	131.17	36,150	5,575	14,485	758	0	67	294	7,755	0	-36	8,858
25	132.17	39,741	3,591	12,775	849	0	65	359	7,755	0	-156	8,862
26	133.15	43,414	3,673	12,861	1,059	0	95	393	7,755	0	114	8,883
27	133.49	44,723	1,309	11,389	1,263	0	135	458	8,132	0	-92	9,266
28	131.39	36,927	-7,796	4,694	1,593	0	163	613	10,255	0	134	11,391
29	128.71	28,000	-8,927	6,402	2,029	0	254	720	12,218	0	-108	13,354
30	126.05	20,306	-7,694	8,466	2,247	0	434	791	12,734	0	46	13,866
Total		-25,352	263,890	21,980	0	2,420	6,900	245,951	11,634	-357	279,838	

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

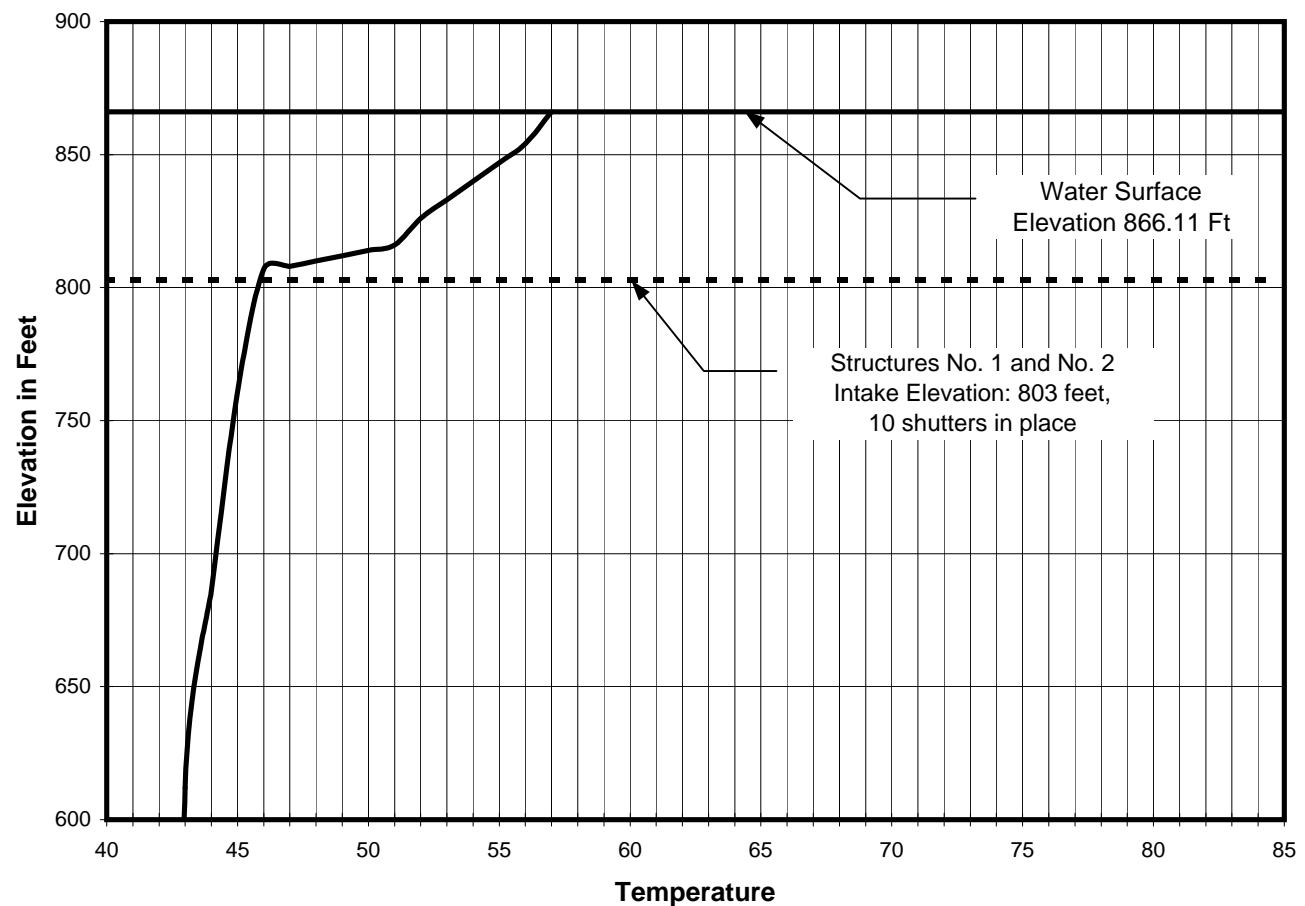
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

April 2000

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	56	48
2	57	49
3	57	50
4	57	51
5	58	51
6	58	52
7	59	52
8	59	52
9	59	53
10	61	53
11	61	53
12	59	53
13	56	52
14	55	51
15	55	52
16	55	52
17	54	52
18	53	52
19	53	52
20	55	52
21	56	52
22	56	52
23	57	52
24	58	52
25	58	52
26	59	52
27	58	52
28	58	51
29	57	52
30	58	52

**Lake Oroville Temperature Profile
on April 19, 2000**

Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 9. Delta Field Division Plant Data

(in acre-feet)

April 2000

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		Gravity Flow Through Plant Into Aqueduct
			Total	SWP		Into Lake	Into Aqueduct	
1	12	3	10,962	10,962	394	0	0	0
2	15	8	12,475	12,475	369	0	0	0
3	6	2	9,693	9,693	410	0	0	0
4	7	0	10,323	10,323	402	0	0	0
5	8	0	6,751	6,751	408	0	0	0
6	8	0	8,471	8,471	434	0	0	0
7	8	0	8,282	8,282	405	0	0	0
8	6	0	9,981	9,981	397	0	0	0
9	8	0	11,712	11,712	387	0	0	0
10	8	0	8,119	8,119	424	0	0	0
11	8	0	10,616	10,616	429	0	0	0
12	9	0	9,608	9,608	462	0	0	0
13	9	0	11,555	11,555	470	0	0	0
14	16	0	6,226	6,226	471	0	0	0
15	9	0	2,287	2,287	435	0	0	0
16	11	0	2,441	2,441	432	0	0	0
17	29	22	2,274	2,274	423	0	0	0
18	40	33	1,371	1,371	371	0	0	0
19	39	34	2,269	2,269	311	0	0	82
20	38	28	2,895	2,895	382	0	0	0
21	29	20	2,932	2,932	385	0	0	0
22	31	20	2,918	2,918	369	0	0	0
23	29	22	2,916	2,916	383	0	0	0
24	44	33	3,860	3,860	452	57	0	0
25	54	41	3,804	3,804	538	98	0	0
26	55	43	4,360	4,360	542	92	0	0
27	52	38	3,747	3,747	504	44	0	0
28	47	33	2,543	2,543	515	55	0	0
29	34	22	2,541	2,541	497	55	0	0
30	34	18	2,541	2,541	485	55	0	0
Total	703	420	180,473	180,473	12,886	456	0	82

Table 10. Clifton Court Forebay

Daily Operation of Gates

April 2000

Table 11. Governor Edmund G. Brown California Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

April 2000

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Entitlement	USBR	Misc.	Loan Water	Carryover Ent.	
	No.	Structure	Mile							
2A	1	Banks Pumping Plant	3.32		180,473	53	0			
	1	South Bay Pumping Plant	4.49	Bethany Reservoir Inlet	12,886					
		Check No. 1	5.95							
	2	Check No. 2	12.01							
	3		12.47	Musco Olive	53					
		Check No. 3	18.29							
	4		22.16	Tracy Golf & Country Club	0					
		Check No. 4	23.99							
	5	Check No. 5	29.73							
	6	Check No. 6	34.24							
	7		35.22	Turlock Fruit Company Inflow	0					
		Check No. 7	39.91							
2B	8		42.46	Oak Flat Water District-A	24	24	347	105	93	
			43.81	Oak Flat Water District-B	347					
			44.64	Oak Flat Water District-C	105					
		Check No. 8	45.97							
	9		46.18	Oak Flat Water District-D	93					
				Oak Flat Totals:	569	569	0	0	0	
		Check No. 9	51.30							
	10	Check No. 10	56.86							
	11	Check No. 11	61.40							
	12		66.14	Veteran's Cemetery	3		3			
		Check No. 12	66.71		159,371					

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

April 2000

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries				
	Beginning and Ending				Entitlement	General Wheeling	Local	Recreation	
	No.	Structure	Mile						
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	12,886	3	807	1	
			3.17	Granite - Vasco Rd. (Temp.)	0				
			3.18	Oakland Scavenger Zone 7	3				
		Check No. 1	3.91						
	2	Check No. 2	5.21						
2	3		7.21	Zone 7 Altamont	0	80	365	220	
		Check No. 3	9.49	Zone 7 Patterson Stored Exchange	0				
				Zone 7 Patterson Project Water	807				
	4	Check No. 4	10.68						
4	6	Check No. 5	12.29	DeSilva-Gates (Temp)	1	80	365	113	
			13.55	Zone 7 Wente #1	220				
			14.16	Zone 7 Wente #2	113				
		Check No. 6	14.65						
			14.78	Zone 7 Arroyo Mocho	445				
		Check No. 7	16.38						
			16.57	Zone 7 Wente #3	31				
			16.69	Zone 7 Norman Nursery	9				
			16.70	Zone 7 Concannon Project Water	49				
5	8	Del Valle Branch Pipeline Junction	18.63	(Pumped into Lake Del Valle)	456	135	1,196	49	
				(Flow into South Bay Aqueduct)	82				
				Arroyo Valle #1 & #2					
				Inflow Released	82				
				Arroyo Valle #1 & #2					
				Inflow Exchanged	75				
				Lake Del Valle Recreation	10				
				Zone 7 Wente #5	49				
				So. Livermore Project	0				
6			19.20	So. Livermore Stored Exchange	1,196				
				So. Livermore Inflow Exchanged	672				
			19.21	Zone 7 - Kalthrof Detjens	135				
				ACWD					
7	La Costa Tunnel		22.50	Vallecitos Project Water	0				
				City of San Francisco					
			25.97	San Antonio	0				
8	Mission Tunnel			ACWD - Bayside 1 & 2		6,627	1,988	1,988	
				Project Water:	0				
				Inflow Released	0				
9	Santa Clara Pipeline		28.97	Stored Exchange:	1,988				
				S.C.V.W.D.					
				Meter	6,627				

Table 13. Lake Del Valle

Daily Operation

(in acre-feet except as noted)

Capacity: 77,106 ac-ft

April 2000

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Mar 31	701.65	38,966									
1	701.70	39,001	35	49	0	0	0	1	13	14	0.00
2	701.74	39,029	28	39	0	0	0	0	11	11	0.00
3	701.76	39,043	14	26	0	0	0	1	11	12	0.00
4	701.80	39,071	28	37	0	0	0	0	9	9	0.00
5	701.82	39,085	14	21	0	0	0	1	6	7	0.00
6	701.85	39,106	21	27	0	0	0	0	6	6	0.00
7	701.86	39,113	7	14	0	0	0	0	7	7	0.00
8	701.87	39,120	7	14	0	0	0	0	7	7	0.00
9	701.90	39,141	21	28	0	0	0	1	6	7	0.00
10	701.91	39,148	7	15	0	0	0	0	8	8	0.00
11	701.91	39,148	0	8	0	0	0	0	8	8	0.00
12	701.93	39,162	14	22	0	0	0	0	8	8	0.00
13	701.95	39,176	14	16	0	0	0	1	1	2	0.16
14	701.97	39,190	14	18	0	0	0	0	4	4	0.00
15	701.98	39,197	7	12	0	0	0	0	5	5	0.00
16	702.01	39,218	21	24	0	0	0	0	3	3	0.00
17	702.10	39,281	63	67	0	0	0	1	3	4	0.38
18	702.17	39,330	49	52	0	0	0	0	3	3	0.00
19	702.12	39,295	-35	54	0	0	82	0	7	89	0.00
20	702.15	39,316	21	28	0	0	0	0	7	7	0.00
21	702.18	39,337	21	28	0	0	0	1	6	7	0.00
22	702.20	39,351	14	20	0	0	0	0	6	6	0.00
23	702.23	39,372	21	27	0	0	0	0	6	6	0.00
24	702.33	39,442	70	22	57	0	0	0	9	9	0.00
25	702.48	39,548	106	14	98	0	0	1	5	6	0.00
26	702.63	39,653	105	18	92	0	0	0	5	5	0.00
27	702.70	39,702	49	16	44	0	0	0	11	11	0.00
28	702.79	39,766	64	19	55	0	0	1	9	10	0.00
29	702.86	39,815	49	0	55	0	0	0	6	6	0.00
30	702.95	39,879	64	17	55	0	0	1	7	8	0.00
Total				913	754	456	0	82	10	205	297
											0.54

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

April 2000

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity: 56,430 Acre-feet

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant 2/	Deliv- eries 3/	
Mar 31	219.39	41,579										
1	220.58	44,661	3,082	0	1,845	0	5,219	0	0	6,106	19	615
4/2	221.16	46,180	1,519	0	1,748	0	5,989	0	1,219	5,488	24	-207
3	221.64	47,441	1,261	0	2,058	0	4,700	0	672	5,928	11	489
4	222.27	49,102	1,661	0	2,070	0	4,959	0	0	6,281	16	105
5	221.27	46,469	-2,633	0	1,909	0	3,011	0	0	6,740	17	510
6	220.53	44,531	-1,938	0	1,696	0	3,878	0	0	6,875	23	347
7	219.70	42,376	-2,155	0	1,995	14	3,694	0	4	7,017	24	256
8	219.93	42,971	595	0	2,336	0	4,908	0	0	7,478	18	552
9	220.67	44,897	1,926	0	2,361	0	5,248	0	0	7,034	16	412
10	221.01	45,787	890	0	2,309	0	3,716	0	0	5,775	21	220
11	221.29	46,521	734	0	2,087	0	4,979	0	0	7,068	25	397
12	220.53	44,531	-1,990	0	1,757	0	4,326	0	0	7,581	28	523
13	220.30	43,931	-600	0	1,649	333	5,289	0	570	7,601	22	620
14	218.74	39,926	-4,005	0	1,306	1,336	3,293	371	0	7,761	34	212
15	219.87	42,815	2,889	0	0	7,934	693	1,000	0	6,634	25	489
16	221.02	45,813	2,998	0	0	8,019	852	755	0	7,135	22	552
17	223.65	52,786	6,973	0	0	8,474	1,173	658	0	5,704	5	236
18	224.79	55,862	3,076	0	504	5,592	403	227	0	5,056	13	348
19	223.33	51,928	-3,934	0	321	1,127	753	116	0	4,274	10	216
20	222.27	49,102	-2,826	0	0	2,090	1,231	191	0	4,842	4	291
21	222.74	50,353	1,251	0	0	4,654	1,226	193	0	5,019	8	-29
22	223.09	51,287	934	0	0	4,234	1,271	91	0	5,234	8	299
23	221.22	46,337	-4,950	0	140	0	1,118	182	0	3,868	7	303
24	221.67	47,519	1,182	0	0	2,613	1,615	0	0	3,781	12	161
25	220.36	44,088	-3,431	0	0	2,613	1,609	623	0	5,625	11	307
26	220.62	44,766	678	0	0	4,006	1,805	1,008	0	4,528	19	86
27	219.97	43,074	-1,692	0	0	4,180	1,641	967	0	5,738	24	55
28	220.77	45,158	2,084	0	0	6,573	1,023	535	0	5,986	25	1
29	221.36	46,705	1,547	0	0	5,495	839	532	0	5,147	26	151
30	219.95	43,023	-3,682	0	0	4,828	1,000	606	0	7,187	26	135
Total			1,444	0	28,091	74,115	81,461	8,055	2,465	180,491	543	8,652
Mean cfs			---	0	936	2,471	2,715	269	82	6,016	18	288
Acre-feet			1,444	0	55,575	147,005	161,079	15,977	4,790	357,547	1,077	17,176

1/ Pump-in located at Mile 79.67R.

2/ CVC Transfer incorporated in D.A. pumping; Total CVC transfer = 10,000 AF.

3/ Includes 69 AF delivered to DFG at O'Neill Forebay.

4/ 23 hr day; the factor for converting CFS to AF is 1.9008

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

April 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)	Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.	
Mar 31	542.89	2,026,438						
1	542.85	2,025,930	-508	0	0	190	0	-66
2/ 2	542.98	2,027,581	1,651	1,219	0	205	0	-145
3	543.03	2,028,217	636	672	0	203	0	-148
4	543.03	2,028,217	0	0	0	174	0	174
5	543.00	2,027,835	-382	0	0	161	0	-32
6	542.96	2,027,327	-508	0	0	153	0	-103
7	542.93	2,026,946	-381	4	14	171	0	-11
8	542.87	2,026,184	-762	0	0	169	0	-215
9	542.85	2,025,930	-254	0	0	160	0	32
10	542.81	2,025,422	-508	0	0	159	0	-97
11	542.79	2,025,168	-254	0	0	82	0	-46
12	542.75	2,024,660	-508	0	0	59	0	-197
13	542.76	2,024,787	127	570	333	73	0	-100
14	542.56	2,022,247	-2,540	0	1,336	59	0	114
15	541.23	2,005,388	-16,859	0	7,934	36	0	-530
16	539.97	1,989,461	-15,927	0	8,019	8	0	-3
17	538.71	1,973,579	-15,882	0	8,474	26	0	493
18	537.80	1,962,136	-11,443	0	5,592	33	0	-144
19	537.61	1,959,749	-2,387	0	1,127	46	0	-30
20	537.26	1,955,356	-4,393	0	2,090	55	0	-70
21	536.51	1,945,954	-9,402	0	4,654	65	0	-21
22	535.83	1,937,443	-8,511	0	4,234	78	0	21
23	535.81	1,937,193	-250	0	0	75	0	-51
24	535.38	1,931,817	-5,376	0	2,613	73	0	-24
25	534.95	1,926,448	-5,369	0	2,613	77	0	-17
26	534.27	1,917,966	-8,482	0	4,006	80	0	-190
27	533.59	1,909,498	-8,468	0	4,180	87	0	-2
28	532.55	1,896,571	-12,927	0	6,573	149	0	205
29	531.67	1,885,657	-10,914	0	5,495	76	0	69
30	530.90	1,876,126	-9,531	0	4,828	76	0	99
Total			-150,312	2,465	74,115	3,058	0	-1,035
Mean cfs			---	82	2,471	102	0	-35
Acre-feet			-150,312	4,790	147,005	6,051	0	-2,046

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 3,928 AF, San Benito: 2,123 AF.

2/ 23 hr. day; the factor for converting CFS/AF is 1.9008 on 4/2/00.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

April 2000

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/, 2/	Total Generation	SWP Generation 1/, 2/	Total Pumping	SWP Pumping 1/, 2/	Federal
1	12,111	8,073	0	0	0	0	377
2	10,432	6,577	0	0	2,318	41	389
3	11,759	7,564	0	0	1,333	26	403
4	12,458	8,405	0	0	0	0	345
5	13,369	9,161	0	0	0	0	320
6	13,636	9,507	0	0	0	0	304
7	13,918	9,832	28	28	8	8	339
8	14,833	10,731	0	0	0	0	335
9	13,951	9,946	0	0	0	0	318
10	11,454	7,493	0	0	0	0	316
11	14,019	9,887	0	0	0	0	163
12	15,036	10,887	0	0	0	0	118
13	15,076	11,003	661	661	1,131	1,131	145
14	15,394	11,272	2,649	-22	0	0	118
15	13,158	9,044	15,738	10,689	0	0	72
16	14,152	10,102	15,905	10,539	0	0	15
17	11,313	7,161	16,808	9,061	0	0	51
18	10,029	5,848	11,091	4,316	0	0	66
19	8,477	5,095	2,235	2,235	0	0	91
20	9,605	6,896	4,146	4,146	0	0	110
21	9,955	7,239	9,232	3,937	0	0	129
22	10,382	7,649	8,398	5,815	0	0	155
23	7,672	5,057	0	0	0	0	148
24	7,500	4,882	5,182	24	0	0	145
25	11,157	8,504	5,182	2,536	0	0	153
26	8,982	7,761	7,946	5,286	0	0	159
27	11,382	10,144	8,291	5,624	0	0	172
28	11,873	10,645	13,037	10,326	0	0	295
29	10,209	8,957	10,899	8,183	0	0	150
30	14,255	12,988	9,577	9,577	0	0	150
Total	357,547	258,310	147,005	92,961	4,790	1,206	6,051

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping;
adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

April 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Mar 31	328.13	20,731					
1	328.16	20,745	14	7	0	0	0
2	328.18	20,754	9	5	0	0	-1
3	328.18	20,754	0	0	0	0	0
4	328.19	20,759	5	3	0	0	-1
5	328.20	20,764	5	3	0	0	-1
6	328.21	20,769	5	3	0	0	-1
7	328.22	20,773	4	2	0	0	0
8	328.21	20,769	-4	0	0	0	-4
9	328.22	20,773	4	2	0	0	0
10	328.23	20,778	5	3	0	0	-1
11	328.24	20,783	5	3	0	0	-1
12	328.22	20,773	-10	0	0	0	-10
13	328.21	20,769	-4	0	0	0	-4
14	328.22	20,773	4	2	0	0	0
15	328.21	20,769	-4	0	0	0	-4
16	328.22	20,773	4	2	0	0	0
17	328.26	20,792	19	10	0	0	-1
18	328.27	20,797	5	3	0	0	-1
19	328.29	20,806	9	5	0	0	-1
20	328.30	20,811	5	3	0	0	0
21	328.29	20,806	-5	0	0	0	-5
22	328.28	20,802	-4	0	0	0	-4
23	328.27	20,797	-5	0	0	0	-5
24	328.27	20,797	0	0	0	0	0
25	328.27	20,797	0	0	0	0	0
26	328.28	20,802	5	3	0	0	-1
27	328.24	20,783	-19	0	0	0	-19
28	328.23	20,778	-5	0	0	0	-5
29	328.23	20,778	0	0	0	0	0
30	328.23	20,778	0	0	0	0	0
Total			47	59	0	0	-70
Mean cfs			---	2	0	0	---
Acre-feet			47	117	0	0	-70

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

April 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft)	Computed Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Mar 31	602.60	826					
1	Not Observed		0	2	0	2	0
2	Not Observed		0	2	0	2	0
3	Not Observed		0	2	0	2	0
4	Not Observed		0	2	0	2	0
5	Not Observed		0	2	0	2	0
6	Not Observed		0	2	0	2	0
7	602.60	826	0	2	0	2	0
8	Not Observed		0	2	0	2	0
9	Not Observed		0	2	0	2	0
10	Not Observed		0	2	0	2	0
11	Not Observed		0	2	0	2	0
12	Not Observed		0	2	0	2	0
13	Not Observed		0	2	0	2	0
14	602.60	826	0	2	0	2	0
15	Not Observed		0	2	0	2	0
16	Not Observed		0	2	0	2	0
17	602.60	826	0	3	0	3	0
18	Not Observed		0	3	0	3	0
19	Not Observed		0	3	0	3	0
20	Not Observed		0	3	0	3	0
21	602.60	826	0	2	0	2	0
22	Not Observed		0	2	0	2	0
23	Not Observed		0	2	0	2	0
24	Not Observed		0	2	0	2	0
25	Not Observed		0	2	0	2	0
26	Not Observed		0	2	0	2	0
27	Not Observed		0	2	0	2	0
28	602.60	826	0	2	0	2	0
29	Not Observed		0	2	0	2	0
30	602.60	826	0	2	0	2	0
Total			0	64	0	64	---
Mean cfs			---	2	0	2	---
Acre-feet			0	127	0	127	0

1/ Not available on a daily basis

Table 19a. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

April 2000

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending					USBR	Transfer 1/	DWR	USBR		
	No.	Structure	Mile					Recreation	Recreation		
2B	12	Check No. 12	66.71		159,371						
3	13	O'Neill Forebay		Department of Parks and Recreation	0			0	0		
		Outlet Check No. 13	70.85	Department of Fish & Game	69			38	31		
			70.91	San Luis Water District	1,008	1,008	0				
			Thru 85.08	(Floodwater Inflow)	0						
				Reach 3 Subtotal:	1,077	1,008	0	38	31		
		Dos Amigos Pumping Plant	86.73		357,547						
4	14		89.03	San Luis Water District	4,995	4,995					
			Thru 94.06								
			89.66	Pacheco Water District	590		590				
			Thru 89.67								
			89.68	Panoche Water District	3		3				
			89.70	City of Dos Palos	104	104					
			Check No. 14								
			95.06								
			98.15	San Luis Water District	256		256				
			Thru 104.20								
	15		96.15	Panoche Water District	2,327	2,327	0				
			Thru 102.64	(Floodwater Inflow)	0						
			102.64	Broadview Water District	1		1				
			105.22	Westlands Water District	8,082						
			Thru 108.64			2,393	5,689				
			Check No. 15								
			108.50								
			Pacheco Water District Total:	590	590	590	0	0	0		
			Broadview Water District Total:	1	1	1	0	0	0		
			City of Dos Palos Total:	104	104	104	0	0	0		
			SLWD Reach 4 Subtotal:	5,251	5,251	5,251	0	0	0		
			Panoche Water District Total:	2,330	2,330	2,330	0	0	0		
			SLWD Total:	6,259	6,259	6,259	0	0	0		
			Westlands WD Reach 4 Subtotal:	8,082	2,393	2,393	5,689	0	0		

1/ Water transferred to WWD according to a CVC Contractor's change of point of delivery agreement dated 12/21/99; 1,000 AF from Lower Tule River ID, 3,000 AF from Pixley ID, and 1,689 AF from Kern-Tulare WD.

Table 19b. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

April 2000

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries							
	Beginning and Ending					USBR	Transfer	DWR	USBR				
	No.	Structure	Mile					Recreation	Recreation				
5	16		110.52	(Reverse flow, Kings River)	0	6,577	1/ 2,311	1					
			Thru	Westlands Water District	8,888								
			122.05	Department of Fish and Game	1								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	7,906	7,406	2/ 500						
			Thru										
		132.74											
	Check No. 17	132.95											
	18		133.81	Westlands Water District	10,400	9,900	3/ 500						
			Thru										
			142.61										
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	10,343								
			143.16	City of Coalinga	224								
	Check No. 18	143.23				9,343	4/ 1,000						
				Westlands WD Reach 5 Subtotal:	37,537								
6	19		145.26	Westlands Water District	15,631	33,226	4,311	0	0				
			Thru										
			151.19										
		Check No. 19	155.64										
				Westlands WD Reach 6 Subtotal:	15,631								
7	20		156.34	City of Huron	95	95							
			156.40	Westlands Water District	8,503								
			Thru										
			163.69										
		Check No. 20	164.69										
	21		164.79	City of Avenal	158	8,503	158						
			167.04	Westlands Water District	3,066								
			Thru										
			171.67										
		Check No. 21	172.40		266,161								
				Reach 7 Total:	11,822	11,822	0	0	0				
				Westlands WD Total:	72,819								
				City of Coalinga Total:	224								
				City of Huron Total:	95								
				City of Avenal Total:	158								
				Phase I Water Total:	7								
Total San Luis Field Division Deliveries:					82,657	72,587	10,000	39	31				

1/ Water transferred to WWD from Kern-Tulare WD per CVC Contractor's change in point of delivery agreement dated 12/21/99.

2/ Water transferred to WWD from Rag Gulch WD per CVC Contractor's change in point of delivery agreement dated 12/21/99.

3/ Water transferred to WWD from Lower Tule River WD per CVC Contractor's change in point of delivery agreement dated 12/21/99.

4/ Water transferred to WWD per CVC Contractor's change in point of delivery agreement dated 4/18/00; 1,000 AF from Kern Tulare WD and 500 AF from Rag Gulch WD.

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations
April 2000

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project 2/	Dos Amigos Pumping Plant 3/	Pools 14 & 15 4/	Pool 15 5/	Pools 15 thru 21 5/	Flow Past Check 21	
Mar 31	29,121								
1	29,452	331	0	6,106	152	28	1,445	4,023	-291
6/ 2	29,452	0	0	5,259	116	50	1,572	3,615	94
3	28,625	-827	0	5,928	138	58	1,430	4,529	-190
4	28,777	152	0	6,281	115	50	1,280	4,515	-244
5	28,271	-506	0	6,740	132	58	1,261	5,196	-348
6	27,561	-710	0	6,875	88	39	1,457	5,427	-222
7	28,125	564	0	7,017	88	40	1,441	4,784	-379
8	29,044	919	0	7,478	102	45	1,401	5,020	-446
9	29,235	191	0	7,034	122	50	1,450	5,098	-218
10	28,479	-756	0	5,775	289	39	1,391	4,520	83
11	27,420	-1,059	0	7,068	148	63	1,468	5,752	-171
12	27,707	287	0	7,581	149	63	1,505	5,361	-359
13	27,994	287	0	7,601	132	50	1,528	5,474	-272
14	28,933	939	0	7,761	133	50	1,518	5,273	-314
15	28,141	-792	0	6,634	121	41	1,479	5,209	-183
16	29,080	939	0	7,135	121	41	1,505	5,054	59
17	29,183	103	0	5,704	135	26	890	4,697	96
18	29,387	204	0	5,056	76	26	859	4,389	398
19	29,151	-236	0	4,274	45	24	891	3,641	208
20	29,286	135	0	4,842	39	19	785	3,734	-198
21	28,438	-848	0	5,019	32	19	757	4,250	-388
22	29,323	885	0	5,234	34	20	802	3,650	-282
23	29,496	173	0	3,868	31	20	679	3,241	190
24	28,474	-1,022	0	3,781	56	22	674	3,484	-60
25	28,250	-224	0	5,625	80	46	985	4,278	-349
26	27,272	-978	0	4,528	83	46	1,026	3,643	-224
27	27,922	650	0	5,738	62	43	1,323	3,695	-287
28	28,693	771	0	5,986	62	33	1,339	4,071	-93
29	27,872	-821	0	5,147	54	31	1,400	3,833	-243
30	29,172	1,300	0	7,187	62	35	1,416	4,731	-288
Total		51	0	180,262	2,997	1,175	36,957	134,188	-4,920
Mean cfs		---	0	5,997	103	40	1,219	4,487	-164
Acre-feet		51	0	357,547	5,945	2,330	73,305	266,161	-9,755

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Pump In of Non-Project Water (0 AF @ Lat.7L) and Flood Water (0 AF) is included in the gain or loss.

2/ CVC Transfer incorporated in D.A. pumping; Total CVC transfer = 10,000 AF.

4/ Includes 589 AF AG & 1 AF M&I to Pacheco W.D. and 104 AF to the City of Dos Palos.

5/ Includes 95 AF to the City of Huron, 158 AF to the City of Avenal, 224 AF to the City of Coalinga, 7 AF Phase I Water in pool 16, WWD Lateral 7R, 1 AF to F&G @ WWD Lateral 4L, and 1 AF to Broadview W.D.

6/ 23 hr. day; the factor for converting CFS/AF is 1.9008 on 4/2/00.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

April 2000

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrismen Pumping Plant	Edmonston Pumping Plant
1	225	225	64	60	67	5,138	4,874	4,611	4,625
2	223	223	50	45	52	4,516	4,585	4,367	4,324
3	361	361	55	51	56	5,878	5,621	5,385	5,342
4	529	529	51	48	51	5,658	5,601	5,267	5,208
5	714	714	122	113	122	6,384	6,249	5,980	6,017
6	618	618	84	79	85	6,700	6,424	6,162	5,989
7	424	424	91	86	91	5,781	5,379	5,021	5,047
8	409	409	78	72	81	6,933	6,766	6,472	6,285
9	376	376	86	83	91	6,351	6,275	6,029	5,962
10	461	461	91	83	95	5,317	5,120	4,952	5,001
11	571	571	76	72	81	6,253	6,153	5,906	5,694
12	619	619	91	83	95	6,043	5,702	5,491	5,366
13	567	567	91	86	95	5,525	5,198	4,952	4,872
14	428	428	104	99	108	6,075	5,724	5,466	5,296
15	328	328	111	104	113	5,988	5,801	5,568	5,535
16	312	312	102	96	106	6,668	6,626	6,469	6,446
17	133	133	45	44	52	6,168	5,962	5,756	5,748
18	271	271	62	52	55	5,825	5,952	5,831	5,748
19	253	253	46	42	48	4,479	5,548	5,316	5,210
20	182	182	11	11	13	5,356	5,224	5,052	4,969
21	200	200	57	51	59	5,340	5,265	4,984	4,891
22	126	126	50	48	55	5,353	5,284	5,083	5,044
23	152	152	60	53	59	5,273	5,358	5,275	5,331
24	200	200	46	40	46	5,255	4,902	4,821	4,644
25	347	347	54	50	57	5,831	5,557	5,303	5,264
26	351	351	60	57	62	4,569	4,319	4,041	3,889
27	381	381	74	70	78	5,063	5,006	4,778	4,480
28	342	342	86	80	86	5,439	4,820	4,576	4,432
29	235	235	80	79	86	5,628	5,588	5,132	5,049
30	214	214	81	76	85	7,065	6,830	6,605	6,446
Total	10,552	10,552	2,159	2,013	2,230	171,852	167,713	160,651	158,154

Table 22a. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

April 2000

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Entitlement	USBR	Purchase Pool A	Transfer 1/	MWD Ent.	
	No.	Structure	Mile							
7	21	Check No. 21	172.40		266,161					
8C	22		172.66	Empire West Side Irrig. Dist. TL - A	549	549				
				County of Kings TL - A	400	400				
				TLBWSD TL-A	3,672	3,672				
				175.18 DRWD - 1	474	474				
				177.54 DRWD - 1B	138	138				
				180.64 TLBWSD - C	0	6				
				180.65 DRWD - 1A	6	2,390				
				182.99 DRWD - 2	2,390	4,025				
				183.00 Tulare Lake Basin WSD TL - B						
				184.63 Coastal Branch	10,552	1,301				
31A				Dudley Ridge Water Dist. DRWD - 3	1,301	4,309	0	0	0	
				Dudley Ridge Reach 8D Total:	4,309	7,697	0	0	0	
8D				Tulare Lake Basin WSD Total:	7,697					
				Check No. 22	184.82					
9	23		189.69	Kern County Water Agency Lost Hills Water Dist. - 1	2,095	2,095				
				Kern County Water Agency Lost Hills Water Dist. - 2	1,713	1,713				
				Kern County Water Agency Lost Hills Water Dist. - 3	1,420	1,420				
				Kern County Water Agency Berrenda Mesa - 2	0	0				
				Kern County Water Agency Lost Hills Water Dist. - 4	0	1,535				
				K.C.W.A. Reach 9 Subtotal:	6,763	6,763	0	0	0	
				Check No. 23	197.05					
			201.24	Kern County Water Agency Lost Hills Water Dist. - 7	733			733		
				Kern County Water Agency Lost Hills Water Dist. - 5	3,042			1,855		
				Kern County Water Agency Lost Hills Water Dist. - 6	0					
				Kern County Water Agency Lost Hills Water Dist. - 8	0					
10A	24		202.05	Kern County Water Agency Belridge Water Storage Dist. - 1A	942					
				Kern National Wildlife Refuge USBR BV-1B	306					
			204.69	Kern County Water Agency Buena Vista WSD 1B	637					
				KCWA Semitropic WSD	11,622					
				KCWA Semitropic WSD Penstocks	15,432					
			205.26	USBR Total:	306					
				K.C.W.A. Reach 10A Subtotal:	32,408	18,241	0	10,000	4,167	
	25		209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	942					
				Kern National Wildlife Refuge USBR BV-1B	306					
				Kern County Water Agency Buena Vista WSD 1B	637					
			209.80	KCWA Semitropic WSD	11,622					
				KCWA Semitropic WSD Penstocks	15,432					
				USBR Total:	306	0	306	0	0	
				K.C.W.A. Reach 10A Subtotal:	32,408	18,241	0	10,000	4,167	

1/ Water transferred from Westlands WD CVP (Federal) per KCWA letter to DWR dated 4/7/00.

Table 22b. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

April 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Entitlement	Federal Wheeling	Purchase Pool A	Purchase Pool B	MWD Ent. 2/			
	No.	Structure	Mile										
11B	25		210.75	Kern County Water Agency Belridge - 2	0	258	258						
			214.11	Kern County Water Agency Belridge - 3	258								
			216.62	Kern County Water Agency Belridge - 4	0								
			217.13	Kern County Water Agency Belridge - 5	4,931		4,931						
				Kern County Water Agency Belridge - 5D	382								
		Check No. 25	217.79										
				K.C.W.A. Reach 11B Subtotal:	5,571	5,571	0	0	0	0			
12D	26		219.58	Kern County Water Agency Belridge - 6	0								
		Check No. 26	224.92										
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0	5,893	10,801						
		Check No. 27	231.73										
	28		235.75	Kern County Water Agency Buena Vista - 2	0								
			238.04	Kern County WA CVC	16,694								
				DRWD CVC	0								
				Tulare Co.	0								
				Lower Tule River	0								
				Fresno Co.	0								
				Pixley ID	0								
				Hacienda DWR Wells	0								
		Check No. 28	238.11										
				1/ Arvin Edison Total:	0	0	0	0	0	0			
				Reach 12E Subtotal:	16,694	5,893	0	0	0	10,801			
13B	29		241.02	Kern River Intertie (inflow)	0	3,240							
				KCWA Buena Vista WSD - 7	0								
			242.85	KCWA Buena Vista WSD - 5	0								
			243.09	Kern County Water Agency Buena Vista - 3	3,240								
		Check No. 29	244.54	Buena Vista WSD	0								
	30		249.85	Kern County Water Agency Buena Vista - 4	290	290							
		Buena Vista Pumping Plant	250.99		171,852								
				K.C.W.A. Reach 13B Subtotal:	3,530	3,530	0	0	0	0			
14A	31		254.47	Kern County Water Agency West Kern - 2	0	67							
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	67								

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Arvin Edison WSD is storing this water for MWD.

Table 22c. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

April 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Entitlement	Inter-ruptible Ent.	MWD	Exchange	MWD Ent.	
	No.	Structure	Mile	Ent. Exch.							
14A	31	Check No. 31	256.14			413	1,116				
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	413						
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	1,116						
		Check No. 32	261.72								
				KCWA Reach 14A Subtotal:	1,596		1,596	0	0	0	
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	2,650	2,650	300				
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	300						
		Check No. 33	267.36								
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	1,700	1,700					
			271.27								
				Reach 14B Total:	4,650	4,650	0	0	0	0	
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	1,771	1,771	1,893				
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	1,893						
				Reach 14C Total:	3,664			0	0	0	
15A	36	Teerink Pumping Plant	278.13		167,713	314	2,848				
			279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	314						
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	2,848						
				Reach 15-A Total:	3,162			0	0	0	
	Chrismans Pumping Plant	280.36			160,651						
16A	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0	312	204				
			283.95								
			285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	0						
	38		286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	312						
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0						
		Check No. 38	287.09								
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	204						
		Check No. 39	290.21								
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	949						
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	120						
				Kern County Water Agency Tehachapi Cummings CWD	146						
				K.C.W.A. Reach 16A Subtotal:	1,731	1,731	0	0	0	0	
17E	Edmonston Pumping Plant	293.45			158,154						

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

April 2000

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Entitlement	Inter-ruptible Ent.	MWD Ent. 1/	Exchange	Purchase Pool A	
	No.	Structure	Mile							
31A	C-1	Coastal Branch Control	0.02		10,552					
		Las Perillas Pumping Plant	1.16		10,552					
	C-2		3.79	Green Valley Water District	0					
		Badger Hill Pumping Plant	4.27		10,552					
	C-3	Coastal Check No. 3	7.21							
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	1,614	1,614				
		Coastal Check No. 4	9.34							
	C-5	Coastal Check No. 5	12.20							
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	398	398				
			14.83	Kern County Water Agency Berrenda Mesa - DD	0					
				Kern County Water Agency Berrenda Mesa - PO	6,459	6,459				
		Devil's Den Pumping Plant	14.86		2,159					
				K.C.W.A. Reach 31A Subtotal:	6,857	6,857	0	0	0	
				K.C.W.A. Total:	86,626	61,658	0	10,801	4,167	10,000
33A	C-7	Bluestone Pumping Plant	19.05		2,013					
	C-8	Polonio Pass Pumping Plant	26.54		2,230					
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant						
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	1,883	1,883				
		Tank Site 2	58.63	Central Coast:	0					
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	331	331				
		Energy Dissipater	78.12							
	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0					
35				CCWA Total:	2,214	2,214	0	0	0	
		Guadalupe T.O.	102.70	SBCFC & WCD	0					
		Santa Maria T.O.	107.43	SBCFC & WCD	0					
38		So. Cal. Water T.O.	109.20	SBCFC & WCD	0					
				SBCFC & WCD Total:	0	0	0	0	0	
		Tank Site 5	115.42							

1/ Arvin Edison WSD is storing this water for MWD.

Table 24. Southern Field Division Plant Data

(in acre-feet)

April 2000

Date	West Branch					East Branch							
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation
		Generation	Leakage	Generation	Pumpback	Bypass Through Plant	Cottonwood Chute	Generation	Leakage	Bypass Flume			
1	2,318	2,353	0	754	0	2,314	0	0	2,043	2,058	0	0	2,496
2	1,689	3	0	384	0	2,653	0	0	2,050	2,089	0	0	2,338
3	2,901	2,901	0	4,196	0	2,431	0	0	2,399	2,289	0	0	2,661
4	2,707	2,981	0	3,333	0	2,454	0	0	2,254	2,217	0	0	2,258
5	2,621	2,997	0	5,872	1,562	3,437	0	49	2,783	2,666	0	0	2,739
6	2,510	3,017	0	4,417	898	3,457	0	80	2,737	2,736	0	0	2,441
7	2,732	2,989	0	3,259	2,399	2,374	0	0	2,237	2,724	0	0	2,311
8	3,207	3,012	0	2,255	1,892	3,098	0	0	2,672	2,764	0	0	2,307
9	3,118	1,777	0	3,614	22	2,784	0	0	2,599	2,581	0	0	2,112
10	2,737	2,633	0	4,995	2,096	2,304	0	0	1,908	2,061	0	0	2,399
11	2,890	2,993	0	5,408	1,471	2,816	0	0	2,629	2,618	0	0	2,165
12	2,868	2,966	0	6,132	1,829	2,517	0	0	2,092	2,223	0	0	2,106
13	2,539	2,862	0	7,731	3,021	2,286	0	0	1,886	1,898	0	0	2,102
14	2,970	3,087	0	5,784	2,100	2,375	0	0	2,105	2,006	0	0	2,548
15	2,794	3,012	0	1,175	2,075	2,807	0	0	2,384	2,538	0	0	2,502
16	2,872	2,336	0	643	1,634	3,533	0	0	3,342	3,475	0	0	2,441
17	2,940	2,961	0	4,993	1,764	2,823	0	0	2,350	2,277	0	0	2,663
18	2,912	3,004	0	6,892	2,391	2,927	0	0	2,737	2,929	0	0	2,431
19	2,848	2,937	0	6,451	2,608	2,384	0	0	2,120	855	0	921	2,142
20	2,946	2,966	0	8,058	2,803	2,049	0	0	1,900	0	5	1,908	2,099
21	2,940	3,052	0	8,432	4,004	2,055	0	0	1,621	0	8	1,598	2,176
22	2,795	2,952	0	4,863	3,710	2,292	0	0	2,064	0	10	2,204	1,926
23	2,884	2,558	0	248	3,769	2,413	0	0	2,043	0	14	2,067	1,917
24	2,958	2,977	0	7,963	841	1,792	0	0	1,375	133	0	1,189	2,329
25	2,765	3,041	0	8,997	2,908	2,506	0	0	2,281	0	116	2,208	2,063
26	2,366	2,631	0	7,493	2,692	1,606	0	0	1,268	0	178	974	1,970
27	2,182	2,412	0	5,394	3,188	2,336	0	0	2,103	0	284	1,974	1,970
28	2,255	2,184	0	3,412	1,086	2,202	0	0	2,021	0	6	1,840	2,557
29	2,381	2,167	0	0	2,019	2,721	0	0	2,251	0	11	2,043	2,565
30	2,849	2,559	0	1,373	1,040	3,623	0	0	3,154	0	9	3,059	2,479
Total	81,494	80,320	0	134,521	55,822	77,369	0	129	67,408	45,137	641	21,985	69,213

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

April 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow			Computed Losses (-) Gains (+)	
				Project		Natural	Project		Natural		
				Castaic Powerplant Pumpback	Warne Powerplant	Stream Flow	Castaic Powerplant Generation	Recreation Deliveries	To Piru Creek		
Mar 31	2573.79	164,523									
1	2574.94	165,981	1,458	0	2,353	69	754	0	50	-160	
2	2574.00	165,726	-255	0	3	65	384	0	50	111	
3	2573.60	164,283	-1,443	0	2,901	63	4,196	0	50	-161	
4	2573.16	163,728	-555	0	2,981	61	3,333	0	50	-214	
5	2572.02	162,296	-1,432	1,562	2,997	58	5,872	0	50	-127	
6	2571.60	161,770	-526	898	3,017	58	4,417	0	50	-32	
7	2573.32	163,929	2,159	2,399	2,989	56	3,259	0	50	24	
8	2575.23	166,350	2,421	1,892	3,012	53	2,255	0	50	-231	
9	2573.65	164,346	-2,004	22	1,777	51	3,614	0	50	-190	
10	2573.38	164,005	-341	2,096	2,633	49	4,995	0	50	-74	
11	2572.46	162,847	-1,158	1,471	2,993	45	5,408	0	50	-209	
12	2571.26	161,345	-1,502	1,829	2,966	42	6,132	0	50	-157	
13	2569.47	159,122	-2,223	3,021	2,862	40	7,731	0	50	-365	
14	2568.92	158,442	-680	2,100	3,087	40	5,784	0	50	-73	
15	2572.00	162,271	3,829	2,075	3,012	42	1,175	0	50	-75	
16	2574.62	165,574	3,303	1,634	2,336	39	643	0	50	-13	
17	2574.85	165,866	292	1,764	2,961	268	4,993	0	50	342	
18	2573.81	164,548	-1,318	2,391	3,004	314	6,892	0	258	123	
19	2573.04	163,577	-971	2,608	2,937	240	6,451	0	298	-7	
20	2570.99	161,009	-2,568	2,803	2,966	183	8,058	0	258	-204	
21	2569.56	159,233	-1,776	4,004	3,052	157	8,432	0	149	-408	
22	2571.01	161,034	1,801	3,710	2,952	133	4,863	0	149	18	
23	2575.75	167,012	5,978	3,769	2,558	116	248	0	149	-68	
24	2572.35	162,709	-4,303	841	2,977	102	7,963	0	102	-158	
25	2569.48	159,134	-3,575	2,908	3,041	91	8,997	0	98	-520	
26	2567.18	156,306	-2,828	2,692	2,631	84	7,493	0	98	-644	
27	2567.33	156,489	183	3,188	2,412	80	5,394	0	58	-45	
28	2567.03	156,122	-367	1,086	2,184	77	3,412	0	58	-244	
29	2570.52	160,424	4,302	2,019	2,167	75	0	0	58	99	
30	2572.16	162,471	2,047	1,040	2,559	71	1,373	0	58	-192	
Total				-2,052	55,822	80,320	2,822	134,521	0	2,641	-3,854

Table 26. Elderberry Forebay

Daily Operation
(in acre-feet except as noted)

Capacity: 32,746 ac-ft

April 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) Gains (+)	
				Castaic Powerplant Generation	Natural	Castaic Powerplant Pumpback	To Castaic Lake			
					Natural		Natural	Project		
Mar 31	1508.52	18,619								
1	1509.39	18,950	331	754	13	0	13	398	-25	
2	1510.43	19,350	400	384	12	0	12	0	16	
3	1510.42	19,346	-4	4,196	11	0	11	4,199	-1	
4	1507.38	18,190	-1,156	3,333	10	0	10	4,486	-3	
5	1511.75	19,864	1,674	5,872	10	1,562	10	2,632	-4	
6	1520.48	23,445	3,581	4,417	10	898	10	0	62	
7	1512.73	20,250	-3,195	3,259	9	2,399	9	4,041	-14	
8	1507.51	18,239	-2,011	2,255	8	1,892	8	2,372	-2	
9	1514.14	20,813	2,574	3,614	8	22	8	1,016	-2	
10	1521.01	23,673	2,860	4,995	7	2,096	7	0	-39	
11	1520.80	23,583	-90	5,408	7	1,471	7	4,018	-9	
12	1521.84	24,031	448	6,132	6	1,829	6	3,856	1	
13	1523.24	24,640	609	7,731	6	3,021	6	4,098	-3	
14	1521.62	23,936	-704	5,784	8	2,100	8	4,386	-2	
15	1510.57	19,404	-4,532	1,175	9	2,075	9	3,525	-107	
16	1508.05	18,442	-962	643	10	1,634	10	0	29	
17	1516.38	21,724	3,282	4,993	92	1,764	92	0	53	
18	1517.81	22,317	593	6,892	59	2,391	59	3,961	53	
19	1517.90	22,354	37	6,451	28	2,608	28	3,835	29	
20	1520.57	23,484	1,130	8,058	21	2,803	21	4,123	-2	
21	1521.79	24,009	525	8,432	18	4,004	18	3,896	-7	
22	1516.13	21,621	-2,388	4,863	15	3,710	15	3,523	-18	
23	1507.23	18,134	-3,487	248	13	3,769	13	0	34	
24	1520.95	23,647	5,513	7,963	12	841	12	1,606	-3	
25	1524.24	25,079	1,432	8,997	11	2,908	11	4,658	1	
26	1533.31	29,233	4,154	7,493	11	2,692	11	645	-2	
27	1527.82	26,681	-2,552	5,394	10	3,188	10	4,759	1	
28	1526.69	26,170	-511	3,412	9	1,086	9	2,837	0	
29	1516.41	21,736	-4,434	0	9	2,019	9	2,407	-8	
30	1517.33	22,117	381	1,373	8	1,040	8	0	48	
Total				3,498	134,521	460	55,822	460	75,277	
									76	

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

April 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) Gains (+)	
				From Elderberry Forebay		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Mar 31	1503.69	298,997								
1	1502.97	297,463	-1,534	13	398	15	1,974	0	14	
2	1502.10	295,616	-1,847	12	0	14	1,920	0	47	
3	1503.15	297,846	2,230	11	4,199	14	2,003	0	9	
4	1504.23	300,150	2,304	10	4,486	13	2,127	0	-78	
5	1504.41	300,535	385	10	2,632	13	2,303	0	33	
6	1503.36	298,293	-2,242	10	0	13	2,247	0	-18	
7	1504.20	300,086	1,793	9	4,041	13	2,304	0	34	
8	1504.26	300,214	128	8	2,372	12	2,250	0	-14	
9	1503.69	298,997	-1,217	8	1,016	11	2,319	0	67	
10	1502.61	296,698	-2,299	7	0	11	2,321	0	4	
11	1503.47	298,528	1,830	7	4,018	10	2,321	0	116	
12	1504.19	300,065	1,537	6	3,856	9	2,321	0	-13	
13	1505.17	302,164	2,099	6	4,098	8	2,308	0	295	
14	1506.13	304,229	2,065	8	4,386	10	2,340	0	1	
15	1506.74	305,545	1,316	9	3,525	11	2,297	0	68	
16	1505.72	303,346	-2,199	10	0	10	2,197	0	-22	
17	1504.88	301,542	-1,804	92	0	41	2,018	0	81	
18	1506.03	304,013	2,471	59	3,961	62	1,766	0	155	
19	1507.11	306,345	2,332	28	3,835	30	1,645	0	84	
20	1508.34	309,013	2,668	21	4,123	21	1,640	0	143	
21	1509.40	311,324	2,311	18	3,896	18	1,795	0	174	
22	1510.18	313,031	1,707	15	3,523	17	1,824	0	-24	
23	1509.31	311,127	-1,904	13	0	15	1,898	0	-34	
24	1509.16	310,800	-327	12	1,606	13	1,979	0	21	
25	1510.44	313,601	2,801	11	4,658	11	2,140	0	261	
26	1509.87	312,352	-1,249	11	645	9	2,327	0	413	
27	1511.00	314,831	2,479	10	4,759	9	2,394	0	95	
28	1511.26	315,403	572	9	2,837	9	2,266	0	-17	
29	1511.28	315,447	44	9	2,407	9	2,330	0	-51	
30	1510.35	313,403	-2,044	9	0	9	2,185	0	123	
Total				14,406	461	75,277	460	63,759	0	1,967

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

April 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries									
	Beginning and Ending					Entitle-ment	Rec.	Local	Purchase						
	No.	Structure	Mile						Pool B						
29A	42	Oso Pumping Plant	1.49		81,494										
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved	32	61,209	2,279	-2,279						
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub										
29G		Warne Power Plant	14.07		80,320										
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	0										
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0										
29J	W4	Castaic Power Plant	25.82	(55,822 AF pumpback)	134,521										
30 1/		Elderberry Forebay													
W5	Forebay Dam	28.12													
	Castaic Lake		Calif. State Park Castaic Lake Recreation	32											
	Castaic Dam	31.47													
	Castaic Lake Outlet	31.55	MWD - 78"	0											
			MWD - 132"	63,488											
			MWD-Castaic Lake WA - T1	-2,279											
			Castaic Lake WA - T1	2,279											
W6			Castaic Lake WA	85											
			United Water Conservation Dist.	0											
			MWD - Ventura County FCD	154											
			LA Co. Parks & Recreation	0											
			Releases to Lagoon	0											
			Reach 30 Subtotal:	63,759	63,727	32	0	0	0						
	W6	Castaic Lagoon		Recreation to Lagoon	97		97								
		Castaic Lagoon Outlet	31.87		44										

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

Table 29. Silverwood Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 74,970 ac-ft

April 2000

Date	Water Surface Elev. (in feet)	Storage	Storage Change	Inflow			Outflow				Del. To Mojave W.A.	Natural To Mojave River	Computed Losses (-) Gains (+)	Las Flores Ranch Exchange 1/
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Inflow	Project	Delivered to CLAWA	Rec.	San Bernardino Tunnel				
Mar 31	3350.40	70,554												
1	3350.11	70,280	-274	2,058	0	17	1	0	2,496	0	1	149	24	
2	3349.91	70,092	-188	2,089	0	15	0	0	2,338	0	0	46	24	
3	3349.55	69,753	-339	2,289	0	14	0	0	2,661	0	1	20	24	
4	3349.56	69,763	10	2,217	0	13	0	1	2,258	0	0	39	24	
5	3349.65	69,847	84	2,666	0	13	0	0	2,739	0	1	145	24	
6	3350.18	70,346	499	2,736	0	13	0	0	2,441	0	0	191	24	
7	3350.49	70,639	293	2,724	0	12	0	0	2,311	0	1	-131	24	
8	3351.14	71,254	615	2,764	0	11	0	0	2,307	0	0	147	24	
9	3351.40	71,501	247	2,581	0	11	0	1	2,112	0	1	-231	24	
10	3350.99	71,112	-389	2,061	0	10	1	0	2,399	0	0	-60	24	
11	3351.49	71,587	475	2,618	0	10	6	0	2,165	0	1	19	24	
12	3351.57	71,663	76	2,223	0	9	7	0	2,106	0	0	-43	24	
13	3350.81	70,941	-722	1,898	0	9	7	0	2,102	0	1	-519	21	
14	3349.52	69,725	-1,216	2,006	0	9	3	1	2,548	0	0	-679	19	
15	3349.19	69,416	-309	2,538	0	10	2	0	2,502	0	1	-352	19	
16	3352.45	72,503	3,087	3,475	0	9	0	0	2,441	0	0	2,044	19	
17	3352.04	72,111	-392	2,277	0	64	0	0	2,663	0	1	-69	19	
18	3352.60	72,647	536	2,929	0	150	5	0	2,431	0	36	-71	25	
19	3352.22	72,283	-364	855	921	76	4	1	2,142	0	74	5	39	
20	3352.25	72,312	29	5	1,908	50	6	0	2,099	0	25	196	46	
21	3351.71	71,796	-516	8	1,598	42	5	0	2,176	0	0	17	36	
22	3352.15	72,216	420	10	2,204	37	0	0	1,926	0	1	96	36	
23	3352.41	72,465	249	14	2,067	32	0	0	1,917	0	0	53	35	
24	3351.46	71,558	-907	133	1,189	28	0	1	2,329	0	1	74	35	
25	3351.83	71,911	353	116	2,208	25	4	0	2,063	0	0	71	35	
26	3351.01	71,131	-780	178	974	23	3	0	1,970	0	1	19	35	
27	3351.27	71,378	247	284	1,974	20	3	0	1,970	0	0	-58	29	
28	3350.61	71,752	374	6	1,840	20	3	0	2,557	0	1	1,069	21	
29	3350.17	70,337	-1,415	11	2,043	18	3	0	2,565	0	0	-919	21	
30	3350.76	70,894	557	9	3,059	16	2	0	2,479	0	0	-46	20	
Total				340	45,778	21,985	786	65	5	69,213	0	148	1,222	798

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation
(in acre-feet except as noted)

Capacity: 131,452 ac-ft

April 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Mar 31	1584.33	118,535				
1	1584.24	118,334	-201		208	
2	1584.15	118,133	-201		199	
3	1584.04	117,888	-245		226	
4	1583.91	117,599	-289		231	
5	1583.77	117,287	-312		249	
6	1583.64	116,998	-289		224	
7	1583.54	116,776	-222		247	
8	1583.45	116,576	-200		208	
9	1583.35	116,354	-222		207	
10	1583.34	116,332	-22		10	
11	1583.33	116,310	-22		10	
12	1583.32	116,287	-23		9	
13	1583.28	116,199	-88		40	
14	1583.20	116,021	-178		164	
15	1583.12	115,844	-177		208	
16	1583.01	115,601	-243		208	
17	1582.92	115,402	-199		101	
18	1582.92	115,402	0		60	
19	1582.90	115,357	-45		60	
20	1582.80	115,136	-221		216	
21	1582.61	114,717	-419		306	
22	1582.49	114,452	-265		307	
23	1582.35	114,144	-308		307	
24	1582.24	113,902	-242		216	
25	1582.20	113,814	-88		109	
26	1582.24	113,902	88		73	
27	1582.09	113,572	-330		104	
28	1581.97	113,308	-264		308	
29	1581.90	113,154	-154		299	
30	1581.67	112,650	-504		300	
Total			-5,885	486	5,414	-957

1/ Project inflow is a calculated total. Negative total caused by meter measurement inaccuracies (within acceptable tolerances).

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at lake Perris.

Table 31a. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

April 2000

Reach No.	Operating Pool		Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending				Entitle-ment	Rec.	Transfer	Purchase Pool B	Transfer Local Out	
	No.	Structure	Mile							
17E	40	Edmonston Pumping Plant	293.45		158,154					
	41		298.65	Kern County Water Agency Tej.-Cas		Stub				
17F		Check No. 41	303.41							
18A	42	Check No. 42	304.99							
19	43	Alamo Powerplant	305.73	(Does not include 129 AF flow down Cottonwood Chute)	77,369	12	147	2,851	0	
			308.05	Antelope Valley-East Kern WA	0					
		Check No. 43	309.70							
	44		311.84	LADWP Connection	0					
			313.50	AVEK 245th Street West	0					
	45	Check No. 44	314.81							
	46		314.93	AVEK 235th Street West	12					
			315.57	AVEK 225th Street West	0					
	47	Check No. 45	319.74							
	48		323.19	Antelope Valley-East Kern WA Fairmont	2,998					
		Check No. 46	323.84							
				Reach 19 Total:	3,010	2,863	0	147	0	
20A	49	Check No. 47	326.77			52	2,487	40		
			326.91	Antelope Valley-East Kern WA Willow Springs Siphon	52					
			329.65	Antelope Valley-East Kern WA 120th Street West	Removed					
	50	Check No. 48	330.82							
	51	Check No. 49	335.93							
20B			336.73	AVEK WA - Quartz Hill (Wheeled for Palmdale WD)	2,487					
52			Antelope Valley-East Kern WA	40						
	Check No. 50	341.51								
53	Check No. 51	342.07								
54		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use						
	21		Check No. 52	343.74						
55		346.98	PWD Palmdale	0						
		348.14	Antelope Valley-East Kern WA Acton Treatment Plant	0						
56	Check No. 53	348.17								
57	Check No. 54	350.25								
22A	58	Check No. 55	352.70			3	95	385		
	59		354.97	Littlerock Creek I.D.	0					
		Check No. 56	356.93							
			357.60	Antelope Valley-East Kern WA	3					
	60		357.72	Antelope Valley-East Kern WA 96th Street East	95					
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	385					

Table 31b. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

April 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries									
	Beginning and Ending					Entitlement	Recreation	Flexible State Withdrawal	Bypass Ent.	Local					
	No.	Structure	Mile												
22B	58	Pearblossom Pumping Plant	360.61			205	11	5	65						
	59	Check No. 59	366.09												
	60	Check No. 60	373.94												
	61	Check No. 61	379.00												
	62	Check No. 62	384.26												
	63	Check No. 63	389.20	Mojave Water Agency Mojave River	205										
	64	Check No. 64	395.10												
	65	Check No. 65	400.32	Mojave Water Agency Morongo 24" and 42"	11										
	66		401.10												
	Check No. 66		403.41	Mojave Water Agency Hesperia	0										
23	67	Mojave Siphon	405.48	Las Flores Ranch	0	31,930	46	26,981	286	5,117					
24		Mojave Siphon Powerplant	405.65	(Does not include 21,985 AF of bypass at Mojave Flume)	45,778										
25		Silverwood Lake	407.65	Crestline Lake Arrowhead Water Agency	65										
26A		San Bernardino Tunnel	411.46	Calif. State Park Silverwood Agency (Rec.)	5										
				San Gorgonio Pass Water Agency	0										
		Devil Canyon Powerplant	412.73		69,445										
		Devil Canyon Afterbay Control Structures	412.88	MWD-SC Rialto	31,930										
				Desert Water Agency (MWD Wheeling Exchange)	3,457										
				San Gabriel Valley Water District	0										
				Coachella Valley WD (MWD Wheeling Exchange)	2,202										
				San Bernardino Valley Metropolitan Water District	46										
				MWD (SBVMWD Exchange)	0										
28G	69	Santa Ana Valley Pipeline	425.46												
28H			433.06	MWD-SC Box Springs	4,746	4,746	11	26,981	5,117	103,698					
28J			440.05	MWD-SC Perris Bypass Pipeline	26,981										
Lake Perris		442.00	MWD-SC 18"	286											
			MWD-SC 54"	0											
			MWD-SC 78"	5,117											
			Calif. State Park Lake Perris Recreation	11											

Table 32. Water Quality At Selected SWP Locations

April 2000

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct					Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)		
Alkalinity	mg/l as CaCO ₃	38	133	60	61	68	63	63	64	60	
Antimony	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Arsenic	mg/l	<0.001	0.003	<0.001	0.002	0.002	0.002	0.002	0.002	0.002	
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.2	
Bromide	mg/l	<0.01	0.07	0.07	0.06	0.14	0.10	0.10	0.10	0.10	
Calcium	mg/l	7	17	14	16	19	16	17	20	19	
Carbon - Dissolved Organic	mg/l as C	NR	10	3	3	3	<0.1	3	3	4	
Carbon - Total Organic	mg/l as C	NR	11	3	3	3	<0.1	4	4	4	
Chloride	mg/l	1	38	26	24	51	36	39	40	42	
Chromium	mg/l	<0.005	0.010	0.005	<0.005	<0.005	0.005	<0.005	0.005	<0.005	
Copper	mg/l	0.001	0.005	0.002	0.002	0.002	0.002	0.002	0.002	0.003	
Fluoride	mg/l	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Hardness	mg/l as CaCO ₃	32	117	68	77	93	81	84	91	89	
Iron	mg/l	0.008	0.034	0.017	0.015	0.009	0.013	0.011	0.007	0.015	
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Magnesium	mg/l	3.361	18	8	9	11	10	10	10	10	
Manganese	mg/l	<0.005	0.025	0.026	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l as N	<0.01	0.13	0.37	NR	NR	0.63	NR	0.72	0.83	
Phosphorus-Ortho	mg/l as P	<0.01	0.11	0.05	NR	NR	0.06	NR	0.07	0.08	
Phosphorus-Total	mg/l	<0.01	0.22	0.08	NR	NR	0.09	NR	0.10	0.09	
Selenium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Sodium	mg/l	3.199	48	24	23	40	33	35	36	36	
Specific Conductance	µS/cm	80	461	270	262	384	339	351	358	356	
Sulfate	mg/l	2	43	26	27	38	45	42	45	42	
Total Dissolved Solids	mg/l	52	282	155	158	217	199	206	210	209	
Turbidity	NTU	3.6	29.7	7.4	16.1	4.6	10.1	16.7	19.2	3	
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.007	<0.005	

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

April 2000

Date	Tides (feet above mean sea level)		Flow In CFS			Electrical Conductivity in milliSiemens/cr								Cl in mg/l	
			Net Delta Outflow Index		Rio Vista	Antioch	Chipp Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	
	(Antioch) Daily Mean		Mean Daily	Monthly Average						md	md	md	14dm	md	
	Hi	Half			md			md	14dm	md	14dm	md	14dm	md	md
1	2.14	0.55	25,056	25,056	21,871	0.18	0.27	0.19	0.17	0.19	0.19	0.35	0.84	0.42	66
2	2.44 e	0.72 e	22,874	23,965	21,186	0.18	0.59	0.18	0.17	0.19	0.19	0.12	0.81	0.41	60
3	2.53	0.84	22,430	23,453	20,683	0.20	0.78	0.19	0.17	0.19	0.19	0.04	0.80	0.40	57
4	2.79	0.97	20,978	22,835	19,944	0.22	0.96	0.18	0.17	0.20	0.19	0.08	0.79	0.40	50
5	2.81	0.94	22,337	22,735	19,667	0.23	0.86	0.18	0.17	0.20	0.19	0.35	0.77	0.41	49
6	3.06	0.95	21,040	22,453	19,414	0.24	0.77	0.18	0.17	0.20	0.19	0.36	0.74	0.43	53
7	3.04	0.87	20,100	22,117	19,370	0.24	0.65	0.18	0.18	0.20	0.19	0.36	0.64	0.43	38
8	3.12	0.89	18,811	21,703	18,801	0.25	0.74	0.18	0.18	0.20	0.19	0.37	0.71	0.43	33
9	3.11	0.91	17,910	21,282	19,263	0.25	0.67	0.18	0.18	0.20	0.19	0.39	0.73	0.43	33
10	2.87	0.87	18,776	21,031	19,752	0.25	0.59	0.18	0.18	0.20	0.20	0.34	0.72	0.42	40
11	2.71	0.88	18,976	20,844	20,974	0.25	0.45	0.18	0.18	0.20	0.20	0.35	0.70	0.41	32
12	2.57	0.85	19,754	20,753	22,152	0.25	0.41	0.18	0.18	0.20	0.20	0.27	0.70	0.37	37
13	2.57	0.92	21,469	20,809	23,365	0.25	0.50	0.17	0.18	0.20	0.20	0.26	0.69	0.29	37
14	2.65	0.92	26,951	21,247	23,948	0.25	0.43	0.17	0.18	0.20	0.20	0.25	0.66	0.30	35
15	2.71	0.99	31,711	21,945	24,400	0.23	0.49	0.16	0.18	0.20	0.20	0.26	0.63	0.30	37
16	2.86	1.11	32,708	22,618	24,892	0.22	0.44	0.16	0.18	0.19	0.20	0.30	0.61	0.34	32
17	3.25	1.35	33,804	23,276	26,747	0.22	0.00	0.15	0.17	0.19	0.20	0.27	0.59	0.34	35
18	3.24	1.17	42,055	24,319	28,976	0.20	0.30	0.15	0.17	0.18	0.20	0.29	0.52	0.35	35
19	3.05	1.05	42,444	25,273	29,867	0.19	0.21	0.15	0.17	0.18	0.20	0.31	0.53	0.38	28
20	3.01	1.10	43,601	26,189	31,617	0.19	0.00	0.15	0.17	0.18	0.19	0.31	0.57	0.39	31
21	3.10	1.31	45,684	27,118	30,477	0.18	0.00	0.15 e	0.17	0.18 e	0.19	0.32	0.60 e	0.38	31
22	3.12	1.22	43,650	27,869	28,522	0.17	0.00	0.15	0.16	0.19	0.19	0.33	0.62	0.38	32
23	2.65	0.89	35,316	28,193	25,616	0.18	0.00	0.15	0.16	0.20	0.19	0.32	0.65	0.40	32
24	2.06	0.69	33,519	28,415	24,430	0.18	0.00	0.15	0.16	0.20	0.19	0.33	0.66	0.43	35
25	2.00	0.85	32,615	28,583	23,428	0.18	0.00	0.16	0.16	0.21	0.19	0.35	0.65	0.45	36
26	1.79	0.77	31,152	28,682	22,487	0.18	0.00	0.16	0.16	0.21	0.19	0.34	0.65	0.46	34
27	1.82	0.88	30,104	28,734	21,150	0.18	0.00	0.16	0.16	0.21	0.19	0.39	0.64	0.48	35
28	2.04	0.68	28,489	28,726	20,512	0.18	0.18	0.16	0.15	0.22	0.20	0.39	0.68	0.47	37
29	1.96	0.44	27,609	28,687	20,630	0.19	0.14	0.16	0.15	0.22	0.20	0.40	0.71	0.47	40
30	2.10	0.50	27,759	28,656	21,149	0.19	0.13	0.16	0.15	0.22	0.20	0.40	0.67	0.45	41

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio conce dm = Daily Mean

s = Balanced water conditions with storage withdrawals. md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

April 2000

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	March 15, 2000	Simazine	0.04
California Aqueduct At Banks Pumping Plant	March 15, 2000	Simazine	0.0
Delta Mendota Canal At McCabe Road	March 14, 2000	Simazine	0.02
California Aqueduct Near Kettleman City (Check 21)	March 14, 2000	Simazine	0.09
California Aqueduct At Tehachapi Afterbay (Check 41)	March 13, 2000	Simazine Diuron	0.10 0.39
Devil Canyon Power Plant At Entrance To Santa Ana Pipeline	March 13, 2000	MTBE Carbofuran Carbaryl Simazine	4.5 2.00 5.50 0.08

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

April 2000

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant Load	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	43,200	7,488	2,681	3,983	3,156,288	3,156,288	311,545	256
2	40,608	917,856	2,702	3,822	3,596,544	3,596,544	292,775	243
3	7,205,472	324,000	1,512	1,680	2,790,144	2,790,144	326,610	255
4	3,892,032	750,528	1,561	511	2,973,504	2,973,504	315,435	257
5	4,074,912	762,336	1,834	504	1,929,408	1,929,408	317,210	268
6	4,419,936	607,392	1,652	490	2,426,688	2,426,688	330,460	270
7	2,648,736	739,584	1,624	497	2,402,880	2,402,880	307,950	268
8	876,672	948,960	1,386	476	2,858,880	2,858,880	302,450	264
9	24,768	1,067,040	1,729	462	3,359,232	3,359,232	296,355	264
10	6,943,680	305,280	1,771	490	2,341,632	2,341,632	329,005	260
11	8,579,232	0	1,778	245	3,036,288	3,036,288	338,110	255
12	11,795,616	0	1,834	0	2,760,768	2,760,768	358,695	246
13	11,234,304	0	2,023	203	3,324,864	3,324,864	358,615	248
14	10,100,736	0	2,968	462	1,781,568	1,781,568	362,850	253
15	4,284,576	0	2,009	420	654,720	654,720	346,380	256
16	1,751,328	0	2,065	413	715,776	715,776	342,605	259
17	11,163,456	0	5,243	7,644	654,720	654,720	336,075	253
18	11,450,016	0	7,042	11,571	411,456	411,456	295,965	251
19	9,535,680	0	6,804	12,411	659,328	659,328	252,105	351
20	7,057,728	0	6,713	11,592	842,880	842,880	306,000	227
21	5,956,704	0	5,355	9,170	850,176	850,176	307,465	227
22	2,528,352	0	5,523	9,254	842,112	842,112	297,295	228
23	1,754,496	0	5,362	9,583	831,168	831,168	306,470	233
24	9,699,264	576	7,805	11,018	1,124,544	1,124,544	358,445	3,500
25	8,226,144	2,880	9,282	11,984	1,103,616	1,103,616	423,160	6,160
26	8,784,288	1,728	9,590	13,055	1,268,544	1,268,544	426,650	5,882
27	7,625,088	2,592	9,107	10,962	1,082,496	1,082,496	398,810	3,031
28	3,676,896	4,896	8,155	10,766	739,584	739,584	411,095	3,399
29	4,443,264	4,032	5,901	9,786	739,968	739,968	395,335	3,462
30	5,754,528	0	5,880	8,204	740,352	740,352	386,680	3,482
Total	175,571,712	6,447,168	128,891	161,658	52,000,128	52,000,128	10,138,600	34,808

Table 36. San Luis Field Division Energy Data

(in kWh)

April 2000

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	1,610,784	1,073,784	0	0	14,976	14,976
2	1,369,152	863,152	0	0	1,170,720	20,720
3	1,505,232	968,232	0	0	369,792	19,792
4	1,650,528	1,113,528	0	0	16,704	16,704
5	1,706,112	1,169,112	0	0	16,128	16,128
6	1,773,648	1,236,648	0	0	17,280	17,280
7	1,829,232	1,292,232	4,608	4,608	23,328	23,328
8	1,941,696	1,404,696	0	0	14,976	14,976
9	1,839,168	1,311,168	0	0	15,840	15,840
10	1,552,896	1,015,896	0	0	16,416	16,416
11	1,822,032	1,285,032	0	0	16,992	16,992
12	1,945,872	1,408,872	1,728	1,728	16,128	16,128
13	1,987,776	1,450,776	195,264	195,264	415,296	415,296
14	2,005,488	1,468,488	743,904	-6,096	6,048	6,048
15	1,717,344	1,180,344	4,675,392	3,175,392	1,728	1,728
16	1,845,072	1,317,072	4,446,144	2,946,144	0	0
17	1,463,328	926,328	4,588,992	2,473,992	0	0
18	1,288,080	751,080	3,044,736	1,184,736	1,152	1,152
19	1,067,904	641,904	613,440	613,440	10,656	10,656
20	1,223,136	878,136	1,173,312	1,173,312	11,520	11,520
21	1,264,320	919,320	2,510,496	1,070,496	6,624	6,624
22	1,310,688	965,688	2,292,480	1,587,480	7,200	7,200
23	985,680	649,680	0	0	18,720	18,720
24	988,416	643,416	1,416,672	6,672	6,624	6,624
25	1,450,944	1,105,944	1,410,048	690,048	7,200	7,200
26	1,191,456	1,029,456	2,151,072	1,431,072	4,896	4,896
27	1,489,536	1,327,536	2,238,048	1,518,048	6,336	6,336
28	1,566,720	1,404,720	3,462,336	2,742,336	1,728	1,728
29	1,320,768	1,158,768	2,889,216	2,169,216	7,200	7,200
30	1,890,720	1,722,720	2,597,472	2,597,472	6,912	6,912
Total	46,603,728	33,683,728	40,455,360	25,575,360	2,229,120	729,120

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

April 2000

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devils Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	18,706	50,960	46,980	44,838	48,204	1,235,376	1,267,848	2,911,104	10,472,400
2	18,560	49,424	37,080	34,290	38,178	1,086,552	1,203,552	2,758,464	9,790,560
3	28,436	76,544	41,922	39,042	41,796	1,420,560	1,475,136	3,397,824	12,093,120
4	40,842	112,664	37,548	37,206	38,034	1,350,576	1,440,720	3,313,728	11,795,040
5	55,676	156,432	87,408	81,900	86,094	1,531,224	1,644,336	3,748,032	13,603,680
6	47,812	134,024	57,888	58,104	60,534	1,605,600	1,709,424	3,863,808	13,535,280
7	31,618	88,280	65,862	61,650	65,538	1,383,120	1,410,264	3,169,728	11,483,280
8	30,088	81,368	57,024	53,622	57,852	1,661,544	1,769,688	4,023,648	14,196,960
9	27,674	74,152	62,928	60,858	64,350	1,523,016	1,654,704	3,782,304	13,483,440
10	35,040	93,920	66,204	61,632	67,500	1,271,880	1,341,432	3,061,728	11,314,800
11	43,478	114,360	55,854	53,370	57,726	1,494,000	1,618,128	3,637,728	12,865,680
12	48,730	140,400	66,744	63,756	68,634	1,442,376	1,501,632	3,424,032	12,137,040
13	42,656	119,280	66,654	63,306	67,572	1,318,032	1,368,072	3,073,536	11,039,040
14	33,192	92,720	74,970	72,090	76,338	1,449,288	1,508,256	3,392,064	11,985,840
15	25,722	71,504	79,254	75,438	80,316	1,429,848	1,512,216	3,465,792	12,518,640
16	21,718	59,328	73,476	70,146	74,646	1,600,776	1,741,392	4,012,128	14,551,200
17	9,996	26,048	33,462	33,318	37,296	1,476,648	1,572,120	3,569,760	12,993,840
18	22,134	63,912	44,820	38,610	39,708	1,391,832	1,567,368	3,616,128	12,999,600
19	20,222	54,264	33,732	31,608	34,614	1,310,544	1,461,888	3,302,208	11,796,480
20	13,872	35,704	9,756	9,972	10,710	1,282,896	1,376,784	3,140,352	11,250,720
21	15,240	40,120	42,174	39,168	42,498	1,282,752	1,377,216	3,090,240	11,075,760
22	9,664	25,576	37,224	36,216	39,834	1,283,328	1,382,400	3,175,488	11,418,480
23	11,376	27,616	43,776	39,798	42,948	1,264,176	1,401,840	3,277,440	11,998,800
24	16,208	43,296	34,056	30,204	33,426	1,250,496	1,324,368	2,990,016	10,520,640
25	26,736	75,304	39,942	37,728	41,508	1,389,312	1,455,552	3,288,384	11,891,520
26	27,404	75,912	44,694	43,110	45,306	1,090,440	1,127,880	2,536,416	8,818,560
27	29,432	79,760	54,306	52,146	56,250	1,200,888	1,308,960	2,918,880	10,148,400
28	26,588	72,296	62,568	58,698	62,370	1,273,248	1,262,880	2,864,736	10,037,520
29	19,332	53,928	61,020	58,194	61,704	1,377,576	1,450,512	3,227,040	11,557,440
30	18,060	49,000	58,932	56,448	61,254	1,686,384	1,786,752	4,089,024	14,556,960
Total	816,212	2,238,096	1,578,258	1,496,466	1,602,738	41,364,288	44,023,320	100,121,760	357,930,720

Table 38. Southern Field Division Energy Data

(in kWh)

April 2000

Date	West Branch			East Branch			
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation
1	611,240	1,338,624	2,280,000	293,888	1,405,152	3,075,840	167,832
2	491,176	1,872	2,185,000	312,060	1,406,388	2,862,336	168,966
3	762,608	1,682,928	2,760,000	301,560	1,631,364	3,182,400	191,478
4	712,992	1,716,336	2,760,000	308,952	1,538,892	2,790,624	184,443
5	698,880	1,718,928	2,760,000	387,296	1,883,940	3,289,536	210,168
6	658,056	1,723,248	2,760,000	407,960	1,843,200	2,964,288	218,631
7	722,904	1,709,784	2,760,000	289,408	1,512,564	2,788,800	215,124
8	853,104	1,718,352	2,760,000	376,292	1,838,484	2,790,528	225,876
9	853,104	1,099,080	2,760,000	339,220	1,766,640	2,590,464	208,467
10	727,496	1,556,712	2,760,000	278,432	1,296,168	2,888,064	156,429
11	767,760	1,721,520	2,760,000	342,020	1,776,384	2,633,088	211,974
12	766,976	1,708,704	2,760,000	305,760	1,414,368	2,549,376	174,195
13	700,168	1,682,928	2,760,000	273,504	1,267,992	2,561,472	138,579
14	779,856	1,745,352	2,760,000	286,048	1,425,276	3,038,784	153,468
15	736,736	1,723,752	2,760,000	339,136	1,622,220	3,004,224	203,658
16	767,032	1,356,264	2,760,000	420,196	2,255,928	2,925,312	276,108
17	782,656	1,692,576	2,760,000	341,068	1,594,620	3,209,088	179,382
18	757,008	1,722,528	2,760,000	352,044	1,853,580	2,934,912	230,601
19	755,384	1,653,624	2,760,000	288,568	1,444,668	2,598,144	63,252
20	787,472	1,685,232	2,760,000	241,640	1,295,424	2,595,744	0
21	768,880	1,717,488	2,760,000	242,928	1,106,772	2,686,176	0
22	747,040	1,689,264	2,760,000	271,684	1,403,064	2,388,864	0
23	766,080	1,503,936	2,760,000	293,636	1,385,172	2,375,808	0
24	781,536	1,693,512	2,760,000	208,796	955,512	2,844,672	0
25	742,840	1,712,016	2,760,000	301,672	1,551,900	2,520,768	0
26	612,640	1,511,496	2,256,000	187,852	859,920	2,445,888	0
27	590,464	1,401,336	2,256,000	279,552	1,422,264	2,359,008	0
28	600,880	1,290,960	2,256,000	263,900	1,364,124	3,116,544	0
29	641,984	1,270,296	2,256,000	331,884	1,522,260	3,135,936	0
30	766,360	1,480,320	2,256,000	424,116	2,119,392	3,045,024	0
Total	21,711,312	46,228,968	79,225,000	9,291,072	45,763,632	84,191,712	3,578,631